



RDMS DocID 00100759

RCRA RECORDS CENTER  
FACILITY MACDERMID  
I.D. NO. CTD001164599  
FILE LOC. R-13  
OTHER RDMS # 100759

Carolyn Casey

07/01/03 09:36 AM

To: Traci.iott@po.state.ct.us, maryjane.dapkus@po.state.ct.us

cc:

Subject: MacDermid EIs

Could you please verify that the following directions I have provided to MacDermid are correct for calculating alternate SWPC? (email attached below)

I was on the phone the other day with our contractor discussing the Pratt ORO facility, and there still seems to be some confusion about calculating Alternate SWPC. Our contractor mentioned that the factor of two should be applied directly to the water quality criteria (WQC). I am confused about this for two reasons (1) I thought this was a factor to be applied to the 7Q10 to estimate a long term mean harmonic flow and (2) why would it matter anyway since the equation is  $WQC \times 2 \times 7Q10/Q_{plume}$ ?

We are also looking at this same issue for the environmental indicators for the Pratt Newell Street site so we want to make sure we have it straight before we confuse the facilities, LEA and ourselves any more.

Do you have any kind of summary that we could look at that describes how to complete these calculations. Or do you have a good example from another site that has been reviewed and approved by DEP that you could share? We appreciate your patience while we all get up to speed on this - I think it's new to all of us.

On a somewhat related note and the reason I included MaryJane.....were the following documents reviewed by DEP and do you have any comments on them? If so, could you please send me copies of

.....because they have been around for some time but I only just received them last week.....

Thanks

Carolyn

617-918-1368

----- Forwarded by Carolyn Casey/R1/USEPA/US on 07/01/03 08:56 AM -----

Carolyn Casey

06/09/03 09:43 AM

To: TCharlton@macdermid.com, kmclarke@loureiro.com

cc: Ernest Waterman/R1/USEPA/US@EPA

Subject: MacDermid EIs

Regarding the following previous message: *I am trying to verify one addition to comment 14 regarding the calculations for alternate surface water protection criteria. I am trying to verify how non-carcinogens should be treated.  $1.4 \times 7Q10$  (approximately equal to a  $30Q5$ ) or is it  $3 \times 7Q10$  as with carcinogens. I am getting conflicting information.*

I spoke with Traci again today and she said  $2 \times 7Q10$  is what they used to derive the RSR SWPC for non-carcinogens and this is currently what they would be looking for if the calculations were to be submitted to CTDEP for a final remedy. This is not the same as calculating a 70 mean harmonic flow as for carcinogens since for non-carcinogens, a shorter exposure duration is looked at.

It makes sense to be consistent with what the DEP is looking for so please use the  $2 \times 7Q10$  for non-carcinogens and  $3 \times 7Q10$  for carcinogens. She also suggested that these calculations be submitted to DEP for their review and approval sooner than later if the intent is to use this for final remedy too (not just for EIs).

Thanks

Carolyn

----- Forwarded by Carolyn Casey/R1/USEPA/US on 05/09/03 02:44 PM -----

**Carolyn Casey**

05/01/03 10:51 AM

To: TCharlton@macdermid.com, kmclarke@loureiro.com

CC:

Subject: MacDermid EIs

A hard copy is in the mail. Two different formatted files are attached of same letter/comments.

Ernie Waterman and I would like to plan a site visit/meeting to discuss some of the comments.

Can we try to schedule something before the end on May.

Thanks

Carolyn



Elrev2.wpd



Elrev2.doc